

Table 13. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 1999

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Employment sector/field of doctorate	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Number]						
All sectors.....	553,360	443,120	13,300	81,100	14,020	1,820
Sciences.....	457,470	380,470	11,780	51,730	11,860	1,630
Computer and information sciences.....	9,600	6,440	160	2,780	210	S
Mathematical sciences.....	25,300	19,840	450	4,290	710	S
Biological and agricultural sciences.....	134,360	110,550	2,740	17,310	3,330	440
Health sciences.....	19,310	15,800	1,040	1,840	510	120
Physical and related sciences.....	110,300	88,710	1,540	17,480	2,260	310
Social sciences.....	74,300	62,590	3,080	6,080	2,220	330
Psychology.....	84,300	76,550	2,770	1,950	2,620	410
Engineering.....	95,890	62,650	1,520	29,370	2,160	190
Universities and 4-year colleges.....	240,080	198,300	7,190	26,270	7,410	920
Sciences.....	213,840	178,250	6,500	21,630	6,630	840
Computer and information sciences.....	3,650	2,630	80	860	60	S
Mathematical sciences.....	14,820	12,060	300	1,940	500	S
Biological and agricultural sciences.....	71,100	58,060	1,590	9,240	2,050	160
Health sciences.....	10,760	9,060	600	720	300	80
Physical and related sciences.....	37,570	31,330	610	4,500	960	170
Social sciences.....	46,870	39,440	1,990	3,590	1,590	270
Psychology.....	29,070	25,670	1,320	780	1,180	130
Engineering.....	26,240	20,050	690	4,640	780	80
Other educational institutions.....	15,710	13,320	840	1,090	360	100
Sciences.....	15,240	12,950	800	1,030	360	100
Computer and information sciences.....	100	80	S	S	S	S
Mathematical sciences.....	770	570	S	180	S	S
Biological and agricultural sciences.....	3,500	2,990	140	290	80	S
Health sciences.....	410	370	S	S	S	S
Physical and related sciences.....	3,210	2,710	130	280	70	S
Social sciences.....	2,410	2,050	210	80	60	S
Psychology.....	4,830	4,170	270	200	130	60
Engineering.....	470	370	S	60	S	S
Private-for-profit.....	185,720	135,170	2,520	43,790	3,870	370
Sciences.....	129,960	103,040	1,870	21,960	2,760	320
Computer and information sciences.....	5,090	3,110	S	1,800	140	S
Mathematical sciences.....	7,190	5,110	90	1,870	120	S
Biological and agricultural sciences.....	35,210	28,840	470	4,910	830	160
Health sciences.....	4,060	2,960	140	810	120	S
Physical and related sciences.....	51,560	39,990	650	10,870	870	70
Social sciences.....	9,420	7,790	200	1,230	200	S
Psychology.....	17,420	16,140	270	480	480	50
Engineering.....	55,760	32,120	650	21,820	1,110	50
Self-employed.....	30,400	27,710	390	1,600	560	150
Sciences.....	27,680	25,590	380	1,040	540	140
Computer and information sciences.....	170	140	S	S	S	S
Mathematical sciences.....	530	470	S	50	S	S
Biological and agricultural sciences.....	3,930	3,330	S	470	80	S
Health sciences.....	990	890	60	S	S	S
Physical and related sciences.....	2,480	2,220	S	230	S	S
Social sciences.....	3,420	3,170	S	120	90	S
Psychology.....	16,160	15,370	270	100	320	90
Engineering.....	2,720	2,120	S	560	S	S

See explanatory information and SOURCE at end of table.

Table 13. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 1999

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Employment sector/field of doctorate	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Number]						
Private not-for-profit.....	27,540	23,460	760	2,710	520	80
Sciences.....	24,540	21,380	760	1,880	450	70
Computer and information sciences.....	230	170	S	S	S	S
Mathematical sciences.....	610	480	S	80	S	S
Biological and agricultural sciences.....	6,050	5,230	100	610	80	S
Health sciences.....	1,560	1,360	110	70	S	S
Physical and related sciences.....	3,860	3,260	S	520	S	S
Social sciences.....	4,050	3,350	280	360	50	S
Psychology.....	8,190	7,540	210	180	220	S
Engineering.....	3,000	2,080	S	840	70	S
Federal Government.....	37,250	31,840	890	3,670	730	120
Sciences.....	30,830	26,700	810	2,590	640	80
Computer and information sciences.....	270	250	S	S	S	S
Mathematical sciences.....	1,180	1,040	S	90	S	S
Biological and agricultural sciences.....	11,290	9,410	270	1,400	180	S
Health sciences.....	1,090	870	80	100	S	S
Physical and related sciences.....	9,600	8,450	110	760	250	S
Social sciences.....	4,250	3,740	230	190	80	S
Psychology.....	3,140	2,920	110	S	70	S
Engineering.....	6,430	5,140	80	1,080	90	S
State and local government.....	14,870	12,100	610	1,710	380	80
Sciences.....	13,780	11,470	580	1,360	310	80
Computer and information sciences.....	80	60	S	S	S	S
Mathematical sciences.....	170	70	S	70	S	S
Biological and agricultural sciences.....	3,100	2,530	120	390	S	S
Health sciences.....	430	290	S	100	S	S
Physical and related sciences.....	1,810	1,470	S	300	S	S
Social sciences.....	2,740	2,330	70	290	S	S
Psychology.....	5,460	4,720	330	180	200	S
Engineering.....	1,090	630	S	350	70	S
Other sector.....	1,790	1,220	100	270	190	S
Sciences.....	1,600	1,100	90	240	160	S
Computer and information sciences.....	S	S	S	S	S	S
Mathematical sciences.....	S	S	S	S	S	S
Biological and agricultural sciences.....	180	160	S	S	S	S
Health sciences.....	S	S	S	S	S	S
Physical and related sciences.....	210	180	S	S	S	S
Social sciences.....	1,140	720	90	220	110	S
Psychology.....	S	S	S	S	S	S
Engineering.....	190	120	S	S	S	S

See explanatory information and SOURCE at end of table.

Table 13. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 1999

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Employment sector/field of doctorate	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Percent]						
All sectors.....	100.0	80.1	2.4	14.7	2.5	0.3
Sciences.....	100.0	83.2	2.6	11.3	2.6	0.4
Computer and information sciences.....	100.0	67.1	1.7	28.9	2.2	S
Mathematical sciences.....	100.0	78.4	1.8	17.0	2.8	S
Biological and agricultural sciences.....	100.0	82.3	2.0	12.9	2.5	0.3
Health sciences.....	100.0	81.8	5.4	9.5	2.7	0.6
Physical and related sciences.....	100.0	80.4	1.4	15.8	2.0	0.3
Social sciences.....	100.0	84.2	4.2	8.2	3.0	0.4
Psychology.....	100.0	90.8	3.3	2.3	3.1	0.5
Engineering.....	100.0	65.3	1.6	30.6	2.3	0.2
Universities and 4-year colleges.....	100.0	82.6	3.0	10.9	3.1	0.4
Sciences.....	100.0	83.4	3.0	10.1	3.1	0.4
Computer and information sciences.....	100.0	72.1	2.3	23.5	1.8	S
Mathematical sciences.....	100.0	81.4	2.0	13.1	3.4	S
Biological and agricultural sciences.....	100.0	81.7	2.2	13.0	2.9	0.2
Health sciences.....	100.0	84.2	5.6	6.7	2.8	0.8
Physical and related sciences.....	100.0	83.4	1.6	12.0	2.6	0.5
Social sciences.....	100.0	84.1	4.2	7.7	3.4	0.6
Psychology.....	100.0	88.3	4.5	2.7	4.0	0.4
Engineering.....	100.0	76.4	2.6	17.7	3.0	0.3
Other educational institutions.....	100.0	84.8	5.3	6.9	2.3	0.6
Sciences.....	100.0	85.0	5.3	6.8	2.4	0.6
Computer and information sciences.....	100.0	74.8	S	S	S	S
Mathematical sciences.....	100.0	74.5	S	24.0	S	S
Biological and agricultural sciences.....	100.0	85.4	4.1	8.2	2.2	S
Health sciences.....	100.0	89.8	S	S	S	S
Physical and related sciences.....	100.0	84.4	3.9	8.7	2.2	S
Social sciences.....	100.0	85.1	8.8	3.4	2.5	S
Psychology.....	100.0	86.4	5.6	4.1	2.6	1.3
Engineering.....	100.0	79.1	S	12.3	S	S
Private-for-profit.....	100.0	72.8	1.4	23.6	2.1	0.2
Sciences.....	100.0	79.3	1.4	16.9	2.1	0.2
Computer and information sciences.....	100.0	61.1	S	35.3	2.7	S
Mathematical sciences.....	100.0	71.0	1.2	26.0	1.7	S
Biological and agricultural sciences.....	100.0	81.9	1.3	13.9	2.4	0.4
Health sciences.....	100.0	72.9	3.5	19.9	3.0	S
Physical and related sciences.....	100.0	75.8	1.3	21.1	1.7	0.1
Social sciences.....	100.0	82.7	2.1	13.0	2.1	S
Psychology.....	100.0	92.7	1.5	2.8	2.8	0.3
Engineering.....	100.0	57.6	1.2	39.1	2.0	0.1
Self-employed.....	100.0	91.2	1.3	5.3	1.8	0.5
Sciences.....	100.0	92.4	1.4	3.7	1.9	0.5
Computer and information sciences.....	100.0	83.1	S	S	S	S
Mathematical sciences.....	100.0	87.9	S	9.5	S	S
Biological and agricultural sciences.....	100.0	84.9	S	12.0	2.0	S
Health sciences.....	100.0	89.5	5.5	S	S	S
Physical and related sciences.....	100.0	89.2	S	9.3	S	S
Social sciences.....	100.0	92.6	S	3.6	2.7	S
Psychology.....	100.0	95.2	1.7	0.6	2.0	0.6
Engineering.....	100.0	78.1	S	20.7	S	S

See explanatory information and SOURCE at end of table.

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Employment sector/field of doctorate	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Percent]						
Private not-for-profit.....	100.0	85.2	2.8	9.9	1.9	0.3
Sciences.....	100.0	87.1	3.1	7.6	1.8	0.3
Computer and information sciences.....	100.0	75.0	S	S	S	S
Mathematical sciences.....	100.0	78.7	S	12.9	S	S
Biological and agricultural sciences.....	100.0	86.4	1.7	10.1	1.3	S
Health sciences.....	100.0	87.1	7.3	4.5	S	S
Physical and related sciences.....	100.0	84.4	S	13.5	S	S
Social sciences.....	100.0	82.7	7.0	8.9	1.3	S
Psychology.....	100.0	92.1	2.6	2.2	2.7	S
Engineering.....	100.0	69.4	S	27.9	2.3	S
Federal Government.....	100.0	85.5	2.4	9.9	2.0	0.3
Sciences.....	100.0	86.6	2.6	8.4	2.1	0.3
Computer and information sciences.....	100.0	92.6	S	S	S	S
Mathematical sciences.....	100.0	88.4	S	7.9	S	S
Biological and agricultural sciences.....	100.0	83.3	2.4	12.4	1.6	S
Health sciences.....	100.0	80.0	7.1	9.3	S	S
Physical and related sciences.....	100.0	88.1	1.1	7.9	2.6	S
Social sciences.....	100.0	88.0	5.5	4.5	1.9	S
Psychology.....	100.0	93.0	3.4	S	2.1	S
Engineering.....	100.0	80.0	1.2	16.8	1.4	S
State and local government.....	100.0	81.3	4.1	11.5	2.5	0.5
Sciences.....	100.0	83.2	4.2	9.8	2.2	0.5
Computer and information sciences.....	100.0	65.9	S	S	S	S
Mathematical sciences.....	100.0	42.3	S	40.2	S	S
Biological and agricultural sciences.....	100.0	81.5	3.8	12.6	S	S
Health sciences.....	100.0	67.3	S	22.9	S	S
Physical and related sciences.....	100.0	81.2	S	16.7	S	S
Social sciences.....	100.0	85.3	2.4	10.6	S	S
Psychology.....	100.0	86.5	6.0	3.3	3.7	S
Engineering.....	100.0	58.0	S	32.1	6.3	S
Other sector.....	100.0	68.5	5.5	14.9	10.5	S
Sciences.....	100.0	68.7	5.8	15.1	9.8	S
Computer and information sciences.....	100.0	S	S	S	S	S
Mathematical sciences.....	100.0	S	S	S	S	S
Biological and agricultural sciences.....	100.0	89.6	S	S	S	S
Health sciences.....	100.0	S	S	S	S	S
Physical and related sciences.....	100.0	86.2	S	S	S	S
Social sciences.....	100.0	62.8	7.7	19.0	9.8	S
Psychology.....	100.0	S	S	S	S	S
Engineering.....	100.0	66.6	S	S	S	S

¹'Other' race included with 'white'.

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases).

NOTES: Numbers are rounded to nearest ten. Details may not add to total because of rounding. The race/ethnicity data shown are for all doctoral recipients, including temporary residents.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients